

BLEZE, L.

Technical information is serving industry. Metallurg 10 no.7:
9 J1 '65. (MIRA 18:7)

1. Nachal'nik otдела tekhnicheskoy informatsii Karagandinskogo
metallurgicheskogo zavoda.

NASTASE, M.; DANESCU, Al.; BLEZU, N.

Thermal conditions of the precombustion chamber and the combustion process in the antechamber of the diesel engine. Rev electrotechn energet 9 no.3:396-404 '64

TIMOFEYEV, A.F.; BLEZE, N.A.

Manufacture of metallurgical coke from Karaganda coals. Koks
i khim no.4:10-12 '62. (MIRA 16:8)

1. Karagandinskiy metallurgicheskiy zavod.
(Karaganda Basin—Coal) (Coke)

ELYAKHU, M. [Blachy, M.]; DIMITRESKU, P. [Dimitrescu, P.]

Outline geology of the western Carpathian Mountains [with summary
in English]. Sov. geol. 2 no.5:25-44 My '59. (MIRA 12:8)

1. Geologicheskii komitet Akademii Rumynskoy Narodnoy Respubliki.
(Carpathian Mountains--Geology)

BLICAR, Nikola, inz. (Zagreb)

Hydraulic power of the Cetina River. Energija Hrv 12 no.1/2:
18-21 '63.

1. Zajednica elektrotehnickih poduzeca Hrvatske, Zagreb,
Proleterskih brigada 37.

BLICAR, Nikola, inz. (Zagreb)

Protection against penstock ruptures in hydroelectric power plants.
Energija Hrv 12 no.5/6:157-159 '63.

1. Zajednica elektroprivrednih poduzeca Hrvatske, Zagreb, Proleterskih
brigada 37.

BLICAR, Nikola, dipl. inz. (Zagreb)

Insulation of generators in the Vinodol Hydroelectric Power Plant, and control of insulation during operation. Energija Hrv 12 no.11/12:332-337 '63.

1. Union of the Electric Industry Enterprises of Croatia, Croatia, Zagreb, Proleterskih brigada 37.

BLICHARSKI, F.

Storehouses for hides, p. 48.

(Przegląd Skorzany, Vol. 12, No. 2, Feb. 1957, Krakow, Poland)

SO: Monthly List of East European Accessions (KEAL) LC. Vol. 6, No. 8, Aug. 1957. Uncl.

BLICHARSKI, J.; WUERFEL, J.

A case of acute miliary tuberculosis treated by small doses of streptomycin and nitrogranulogen. Przegl. lek., Krakow 7 no.11-12: 405-407 1951. (CJML 22:1)

1. Of the Third Clinic of Internal Diseases (Head--Docent Juliar Aleksandrowicz, M.D.) of Krakow Medical Academy.

ALEKSANDROWICZ, J.; Blicharski, J.; FELTYNOWSKI, A.

Functional stages of blood platelets in electron microscope.
Polski tygod. lek. 7 no. 45:1472-1474 10 Nov 1952. (CLML 24:1)

1. Of the Third Internal Clinic (Head--Prof. J. Aleksandrowicz, M. D.) of Krakow Medical Academy and of the State Institute of Hygiene (Head--F. Przesmycki, M.D.) in Warsaw.

ALEKSANDROWICZ, J.; Blicharski, J.; FELTYNOWSKI.

Morphology of granulocytes; electron microscopy. Polski tygod. lek.
7 no.51-52:1765-1766 29 Dec 1952. (CML 24:2)

1. Of the Third Internal Clinic (Head--Prof. J. Aleksandrowicz, M.D.)
of Krakow Medical Academy and of the State Institute of Hygiene (Head
--Prof. F. Przesmycki, M.D.), Warsaw.

ALEKSANDROWICZ, J.;BLICHARSKI, J.

Blood platelets in electron microscopy. Przegl. lek., Krakow 8 no.7:
203-205 1952. (CLML 23:4)

1. Of the Third Internal Clinic (Head--Prof. J. Aleksandrowicz, M.D.)
of Krakow Medical Academy and of the State Institute of Hygiene (Head
-- Prof. F. Przesmycki, M.D.).

BLICHARSKI J.

4709. BLICHARSKI J. III Klin. Chorób Wewn. Akad. med., w Krakowie. *Badania cytochemiczne nad glikogenem krwinek. Domesienie tymczasowe. Cytochemical investigation on glycogen in blood cells POLSK. TYG.LEK. 1953, 8/9 (321-329) Tables 2 Illus. 6

Pritchard's method was applied for the first time to haematological smears. A comparison is made with observations of other authors on the detection of glycogen in blood cells. The method described appeared to be one of the best available.

Blicharski - Kraków

SO: Excerpta Medica, Section II, Vol 7, No 9

BLICHARSKI J.

III. Klin. chorób Wewnętrznych Akad. Med., Krakow. * Lipidy w komórkach krwi. Lipids in the blood cells FOLIA BIOL. (Warsz.) 1953, 1/3 (209-221) illus. 6

Cytochemical investigations on the lipids of blood cells, examined with the Sudan black B procedure, showed positive reactions for lipid substance chiefly in the cytoplasmic granule of granulocytes in all their developmental periods. Sudophilic lipids were demonstrated in neutrophilic, eosinophilic and in certain basophilic granules. The behaviour of eosinophilic granules revealed their twofold structure, a fact which has been to some extent confirmed by electron microscopic examinations. Positive reactions for lipids have also been observed in cytoplasmic granules of monocytes, histiocytes and Ferrata cells. Blood cells of lymphatic and erythrocytic series displayed an almost entire lack of coloration.

Similarly the plasmocytes gave negative reactions. In megakaryocytes several types of lipid reactions were distinguished, depending on the platelet-forming activity of these cells. Attention was paid to differences appearing in pathological states. Hypotheses are presented pertaining to the rôle of lipids in the system of living cell matter and the rôle they play in different functional states of megakaryocytes. The possibility of the application of the Sudan black B reaction in haematological diagnosis is shown.

Author

SO: Excerpta Medica Section II Vol 7 N. 12

BLICHARSKI, J.

Excerpta Medica Sec 6 Internal Medicine Vol. 9/6 June 55

BLOOD

Diagnostics

3833. BLICHARSKI J. 3. Klin. Chorób Wewn. AM, Kraków. *Cytochemia i cyto-
~~enzymologia~~ w klinice hematologicznej. Cytochemistry and cyto-
enzymology in haematology POST. HIG. MED. DOSWIAD. (Warsz.)
1954, 8/2 (221-235) Illus. 11

BLICHARSKI, J.

ALEKSANDROWICZ, Julian; BLICHARSKI, Julian; FELTYNOWSKI, Antoni

Electron microscopy of blood components. Postępy hig. med. dosw.
8 no.4:445-617 1954.

1. III Kliniki Chorob Wewnętrznych A.M.Krakow, ul Kopernika 17.
Państwowy Zakład Higieny. Pracownia Mikroskopu Elektronowego.
Warszawa, ul. Ochocińska 24.

(BLOOD CELLS,
microscopy, electron)
(MICROSCOPY, ELECTRON,
of blood cells)

BLICHARSKI, Julian

**Lipids in megakaryocytes and blood platelets. Przegl. lek., Krakow
10 no.6:188-190 1954.**

**1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie.
Kierownik: prof. dr J. Aleksandrowicz.**

**(LIPIDS, in blood,
blood platelets & megakaryocytes)**

**(BLOOD PLATELETS,
lipids in blood platelets & megakaryocytes)**

BLICHARSKI, J.

ALEKSANDROWICZ, Julian; BLICHARSKI, Julian; FELTYNOWSKI, Antoni

Electronoscopy of the morphotic blood components with special reference to blood platelets. Polskie arch. med. wewn. 25 no.1a: 143-147 1955.

1. Z III klin. chor. wewn. A.M. w Krakowie; kier. prof. dr. med. J.Aleksandrowicz. Z Panstwowego zakladu Higieny w Warszawie; dyrektor prof. dr. med. P.Przemyski.

(BLOOD PLATELETS, determination
electronoscopy)

(BLOOD
constituents, electronoscopy)

BLICHARSKI, Julian; SPIRER, Ludwik

Functional states of megakaryocytes and blood platelets in the light of cytochemical investigations. Polskie arch. med. wewn. 25 no.1a: 171-178 1955.

1. Z III. klin. chor. wewn A.M. w Krakowie; kier. prof. dr. J.Aleksandrowicz.

(BLOOD PLATELETS, physiology

cytochem. investigation of megakaryocytes & blood platelets, glycogens & lipoids in)

(GLYCOGENS, in blood

blood platelets & megakaryocytes, cytochem.)

(LIPIDS, in blood

blood platelets & megakaryocytes, cytochem.)

Country : POLAND

S

Category: Human and Animal Morphology (Normal and Pathological).
Blood and Organs of Hemopoiesis.

Abs Jour: RZhBiol., No 2, 1959, No 7558

Author : Aleksandrowicz, J.; Blicharski, J.; Feltynowski, A.

Inst : -

Title : An Investigation of Blood Platelets by Means of
Ultrathin Slices and the Electronic Microscope.

Orig Pub: Folia morphol., 1957, 8, No 3, 161-167

Abstract: A granulomere of blood platelets (DP) of healthy humans consists of 30-50 granules with the size of 0.2-0.3 μ , which are grouped in the center or are disseminated over the whole KM. The granules of granulomere originate apparently from the mitochondrias of megakaryocytes. Among the granules of granulomere

Card : 1/2

8-29

ALEKSANDROWICZ, J.; Blicharski, J.; Feltynowski, A.

Recent studies on erythrocytes with aid of electron microscope.
Polski tygod. lek. 12 no.6:222-225 4 Feb 57.

1. (Z III Kliniki Chorob Wewnetrznych A.M. w Krakowie;
kierownik: prof. dr. Julian Aleksandrowicz i z Panstwowego
Zakladu Higieny w Warszawie; kierownik: prof. dr.
Feliks Przesmycki). Adres: Krakow, ul. Kopernika 17, III
Klinika Chorob Wewnetrznych A.M.

(ERYTHROCYTES

electron microscopy, review(Pol))

(MICROSCOPY, ELECTRON

of erythrocytes, review (Pol))

Blicharski Julian

BLICHARSKI, Julian; SIERKO, Jan

Case of fibrosis of the bone marrow appearing as chronic granulocytic leukemia and erythremia. Polskie arch. med. wewn. 27 no.9:1227-1240 1957.

1. Z III Kliniki Chorob Wewnętrznych A.M. w Krakowie. Kierownik: prof. J. Aleksandrowicz.

(ANEMIA, LEUKOERYTHROBLASTIC, differential diagnosis, myelosclerosis simulating granulocytic leukemia & erythremia (Pol))

Blicharski, Julian; Janicki, Kazimierz

Considerations on certain diagnostic difficulties in plasmocytomas.
On "M"-paraglobulinic plasmocytomas. Polskie arch.med.wewnierz.
29 no.10:1373-1382 '59.

1. Z III Kliniki Chorob Wewnętrznych A. M. w Krakowie Kierownik:
prof. dr med. J. Aleksandrowicz.
(MYELOMA PLASMA CELL diag)

BLICHARSKI, J.
SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation: Second Clinic of Internal Diseases, School of Medicine (II Klinika Chorob Wewnętrznych Akademii Medycznej Krakow), Krakow; Director: Prof. T. TEMPKA, dr med; and the Electronic Microscope Laboratory of the State Institute of Hygiene (Pracownia Mikroskopu Elektronowego, Panstwowy Zakład Higieny), Warsaw; Director: Prof. F. PRZESMYCKI, dr med

XXXXXX

Source: Warsaw, Przegląd Lekarski, No 5, 1961, p. 221

Data: "Paroxysmal Nocturnal Haemoglobinuria. Electronic Microscopy Study of the Structure of Thrombocytes." (Abstract)

Co-authors:

FELTYNOWSKI, A.

KIRCHMAYER, S., Second Clinic of Internal Diseases, School of Medicine, Krakow; Director: Prof. T. TEMPKA, dr med

POLAND

Julian BLICHARSKI, Pawel MIKULOWSKI and Jerzy ZWARYCZ*, Third Internal Medicine Clinic, Head PROF Dr J. ALEKSANDROWICZ; and Department of Pathological Anatomy (Zaklad Anatomii Patologicznej) Head Prof Dr J. KOWALCZYKOWA, AM Krakow.

"Malignant Thymus Lymphogranulomatosis with Symptoms of Polyserositis"

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 50, 10 Dec 1962; pp 1958-1960.

Abstract [English summary modified]: Fatal case in 31-year-old woman. Died from circulatory failure 1 month after admission despite vigorous treatment. Clinical details and discussion; rentgenogram, 3 slides, 2 Polish and 8 Western references.

*(Deceased)

1/1

BLICHARSKI, Julian

Ultrastructure of malignant granuloma cells. Pol. med. wewnet. 32
no.7:851-856 '62.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik: prof.
dr med. J. Aleksandrowicz i z Zakładu Wirusologii i Mikroskopii
Elektronowej Instytutu im. M.D. Andersona Uniwersytetu Teksas w
Houston Stany Zjednoczone A.P. Kierownik: prof. dr med. L.Dmochowski.
(HODGKIN'S DISEASE)

POLAND

Blicharski, Julian, LISIEWICZ, Jerzy, SZCZEGIAKOWSKA, Les-
law, and WAZEWSKA-CYZEWSKA, Maria, Third Clinic of Inter-
nal Diseases (III Klinika Chorob Wewnetrznych), AM [Akade-
mia Medyczna, Medical Academy] in Krakow (Director: Prof.
Dr. J. ALEKSANDROWICZ)

"Post-Irradiation Leukemia. Report of Three (3) Cases."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 11, 11 Mar 63,
pp 384-387.

Abstract: [Authors' English summary] Three patients with
leukemia, followed up for one year, are reported. All pa-
tients had a history of irradiation with large doses of x
rays prior to onset of the disease. Attention should be
drawn to careful diagnostic and therapeutic use of the ion-
izing radiation. The possibility of the x rays being a
leukomogenic factor should always be borne in mind. Of
the 19 cited references, only one (1) is Polish, and the
others English.

1/1

BLICHARSKI, Julian; CZARNECKI, Jozef.

A case of anemia due to pyridoxine deficiency with the clinical course of the sideropenic syndrome. Pol. tyg. lek. 19 no.23: 877-878 1 Je'64

1. Z III Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie; kierownik: prof. dr. J. Aleksandrowicz.

ALEKSANDROWICZ, Julian, prof. dr.; Blicharski, Julian; Czyżewska-Ważewska, Maria; Cichocki, Tadeusz

Cytologic and dynamic examination of inflammatory skin exudate in healthy subjects and patients with various forms of leukemia.
Pol. tyg. lek. 20 no.3:81-83 18 Ja '65

1. Z III Kliniki Chorob Wewnętrznych (Kierownik: prof. dr. J. Aleksandrowicz) i z Zakładu Histologii Akademii Medycznej w Krakowie (Kierownik: prof. dr. J. Ackermann).

BLICHARSKI, J.S.; KRYNICKI, K.

Proton spin-lattice relaxation in liquid and gaseous hydrogen chloride. Acta physica Pol 22 no.5:409-416 N '62.

1. Institute of Physics, Jagellonian University, Krakow, and
Institute of Nuclear Physics, Krakow.

BLICHARSKI, J.S.

Proton spin-lattice relaxation in liquid benzene. Acta
physica Pol 22 no.6:521-523 D '62.

1. Institute of Physics, Jagellonian University, Krakow, and
Institute of Nuclear Physics, Krakow.

L 14369-63
GG/JD/JW/IJP(C)

EWI(1)/EWP(q)/EWT(m)/HDS/EEG(E)-2 AFFTC/ASD/ESD-3 Pi-4

ACCESSION NR: AP3001825

P/0045/63/023/005/0657/0660

AUTHOR: Blicharski, J. S.

TITLE: Fluorine spin-lattice relaxation in liquid CF sub 2 Cl sub 2

SOURCE: Acta physica polonica, v. 23, no. 5, 1963, 657-660

TOPIC TAGS: spin-lattice relaxation, CF sub 2 Cl sub 2, dipolar interaction, freon., freon 12, fluorine 19, anisotropic electronic shielding, spin-rotational interaction

ABSTRACT: The fluorine spin-lattice relaxation time $T_{sub 1}$ at the resonant frequency 28 Mc/sec, was measured for pure CF sub 2 Cl sub 2 in the liquid state from -90C up to the critical temperature 112 C and in the gaseous state just above the critical temperature. $T_{sub 1}$ generally increases with temperature for pure liquids of low viscosity. Notable exceptions are protons in liquid H sub 2, H sub 2 S, HCl, and isotope 19 of fluorine nuclei in liquid freons CHF sub 2 Cl and CHF sub 3 at higher temperatures. CH sub 2 Cl sub 2 (freon 12) was found to be another exception; its observed $T_{sub 1}$ values decreased strongly with increasing temperature.

Card 1/12

L 14369-63

ACCESSION NR: AP3001825

Neglecting indirect scalar interactions, and writing the fluorine $1/T$ sub 1 in CF sub 2 Cl sub 2 as a sum of contributions resulting from spin-rotational interaction, dipole-dipole interaction and anisotropic electron shielding, respectively;

$$1/T \text{ sub } 1 = (1/T \text{ sub } 1) \text{ sub s.r. Plus } (1/T \text{ sub } 1) \text{ dip. Plus } (1/T \text{ sub } 1) \text{ sub shield.}$$

it was found that at high temperatures the relaxation process may be almost completely controlled by the spin-rotational (s.r.) interaction term, whereas at temperatures below - 30C the dipolar contribution becomes important. In the range from -30C to the critical temperature the observed fluorine T sub 1 can be described by the empirical equation

$$T \text{ sub } 1 = 3.7 \times 10^6 T^{\text{sup } -3}.$$

"The author wishes to thank Mr. T. Waluga for his assistance with some of the measurements".

Orig. article has 1 figure and 6 numbered equations.

ASSOCIATION: Inst. of Nuclear Physics, Jagellonian Un.

Card

2/2

BLICHARSKI, J.S.

Spin-rotational magnetic relaxation for nonlinear molecules.
Acta physica Pol 24 no.6:817-821 D '63.

1. Institute of Physics, Jagiellonian University, Krakow
and Institute of Nuclear Physics, Krakow.

POLAND

BLICHARSKI, Kazimierz, Director of Special Center for Control of Infertility and Diseases of Young (Osrodek Spec. Zwalczenia Nieplodnosci i Chorob Mlodziezy) in Poznan.

"Observations on the Use of 'Lotagen' for Control of Infertility in Cattle."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 18, No 9, Sep 62, pp 549-551.

Abstract: Report of investigation started in 1959 and giving details of procedure and examinations, as well as results. Author concludes that treatment with "Lotagen" is convenient, gives a high percentage of cures, and shortens the duration of treatment. Seven references, all in the German language.

1/1

BLICHARSKI, P. SWIDERSKI, J.

New derivatives of hydanton substituted in the positions 3,5. I. p. 1115.

ROCZNIKI CHEMII. (Polska Akademia Nauk) ^{POLAND} Warszawa / Vol. 32, no. 5, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

COUNTRY : Poland
 CATEGORY : Organic Chemistry--Natural compounds and their synthetic analogs G-3
 ABS. JOUR. : RZKhim., No. 22 1959, No. 78687
 AUTHOR : Swiderski, J. and Blicharski, P.
 INST. : Not given
 TITLE : The Investigation of Acyl Monosaccharides. I. Isotope Exchange of the Acetyl Groups in Penta-acetyl- α - and β -D-Glucopyranoses
 ORIG. PUB. : Roczniki Chem, 32, No 5, 1121-1125 (1958)
 ABSTRACT : The authors have investigated the conditions under which an exchange of labeled acetyl groups can take place in acyl monosaccharides in the absence of a catalyst. When 0.5 M solutions of acetylglucoses (AG) in glacial CH_3COOH are heated (118°, 11 hrs), isotope exchange is observed; the exchange does not affect the specific rotation. The radioactivity of β -AG subjected to isotope exchange is higher than that of α -AG under the same conditions. Elimination of

CARD: 1/3

COUNTRY : Poland
CATEGORY :

G-2

ABS. JOUR. : AZKhim., No. 22 1959, No.

78687

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : the CH₃CO-group at C₁ in pentaacetyl- α - and pentaacetyl- β -glucopyranoses (heating with p-toluidine) gives the α - and β -isomers of 2,3,4,6-tetraacetyl-p-toluidine- α - β -glucoside, which are less active than the AG. The simultaneous elimination of the CH₃CO-groups at C₁ and C₂ (reaction with C₃H₇N) gives the 5,4,6-triacetylpiperidine- α -D-glucosides; when the latter are subjected to isotope exchange, the activity of the β -isomer is found to be

CARD: 2/3

COUNTRY : Poland
CATEGORY :
ABST. JOUR. : RZKhim., No. 22 1959, No.
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : decreased and that of the X-isomer disappears completely, from which it follows that under the conditions used isotope exchange takes place primarily at C₁ and C₂.
R. Topshteyn
G-3
76687
CARD: 3/3

BLICHARZ, Stanislaw, inz.

At the threshold of the second ten-year period of activities
of the Institute of Rubber Industry. Polimery tworzą wielk
9 no.5:173-176 My'64.

1. Head, Institute of the Rubber Industry, Warsaw.

1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										100 AND 4TH ORDERS									
<i>BLICHARZ</i> <i>30</i> The Pollak rubber industry. S. Blicharz and A. Glaszek. <i>Przemysl Chem.</i> 28, 218-20 (1949). A review. Frank Conet																													
ASM-A6 METALLURGICAL LITERATURE CLASSIFICATION																													
100000 100000 100000 100000 100000 100000 100000 100000 100000 100000										100000 100000 100000 100000 100000 100000 100000 100000 100000 100000										100000 100000 100000 100000 100000 100000 100000 100000 100000 100000									

STEFANOWSKI, Marian; BLICHOWSKI, Antoni

Cases of hiliary neoplasms treated by surgery. Polski tygod.
lek. 11 no.19:835-839 7 May 56.

1. Z I Kliniki Chirurgicznej A.M. w Lodzi; kierownik: prof. dr.
med. M. Stefanowski. Lodz, I Kl. Chir. A.M.
(BILE DUCTS, neoplasms,
surg. (Pol))

BLICHOWSKI, Antoni

Management of a case of megacolon. Polski tygod. lek. 11 no.29:
1288-1293 16 July 56.

1. Z I Kliniki Chirurgicznej A.M. w Lodzi; kierownik: prof. dr.
med. M. Stefanowski.

(MEGACOLON, case reports,
(Pol))

BLICHOWSKI, Antoni

~~Adhesive inflammation of the bile ducts after excision of the gallbladder.~~ Polski przegl. chir. 28 no.12:1243-1250 Dec 56.

1. Z I Kliniki Chirurgicznej A.M. w Łodzi Kierownik: prof. dr. M. Stefanowski. Adres autora: Łódź, I. Klinika Chir. A.M., Wigury 19.

(CHOLECYSTECTOMY, compl.

postop. adhesive inflamm. of bile ducts, surg. (Pol))

(BILE DUCTS, dis.

post-cholecystectomy adhesive inflamm., surg. (Pol))

BLICHOWSKI, Antoni (Lodz, Al. Kosciuszki 56 m. 9.)

~~Etiology and therapy of pancreatic fistulae.~~ Polski przegl. chir.
31 no.1:71-77 Jan 59.

1. Z I Kliniki Chirurgicznej A. M. w Lodzi Kierownik: prof. dr.
M. Stefanowski.

(PANCREATIC DUCTS, fistula,
etiol. & surg (Pol))

BLICHOWSKI, Antoni

Plastic surgery of Oddi's sphincter in biliary operations.
Pol. przegl. chir. 35 no.7/8:793-795 '63.

1. Z I Kliniki Chirurgicznej AM w Lodzi Kierownik: prof.
dr M. Stefanowski.

(VATER'S AMPULLA)
(CHOLECYSTECTOMY)

(SURGERY, OPERATIVE)
(CHOLELITHIASIS)

BLICHOWSKI, Antoni

Electrophoretic picture of serum proteins after surgery of
digestive cancer. Pol. tyg. lek. 19 no. 44:1677-1680 N 2'64

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lodzi
(Kierownik: prof. dr. med. M. Stefanowski).

STEFANOWSKI, Marian; Blichowski, Antoni

Cholangiographic picture of bile ducts in cholecystectomized patients. Pol. przegl. chir. 36 no.3:391-399 Mr '64.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lodzi
(Kierownik: prof. dr M. Stefanowski).

BLICHOWSKI, Antoni

Effect of surgical trauma on seeding of cancer cells through
the blood stream. Lodz. tow. nauk [IV] 55:1-67 '64.

BLICHOWSKI, Antoni

Results of treatment of surgical injuries to the bile ducts.
Pol. przegl. chir. 37 no.2:143-150 F '65

Indications for secondary operative procedures on the biliary tract after cholecystectomy Ibid.:151-158

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lodzi
(Kierownik: prof. dr. M. Stefanowski).

BLICKE, Tibor

Mixture and dwelling time distribution in chemical reactors.
Veszpremi vegyip egy kozl 4 no.1:73-81 '60

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

BAUMANN, M.; BLICKLE, T.; GUBA, F.

Polymerization of actin. Acta physiol. hung. Suppl. no.6:70-71 1954.

1. Elektronmikroskopische Abteilung des Instituts für Instrumenten- und Messtechnik der Ungarischen Akademie der Wissenschaften, Budapest.

(MUSCLE PROTEINS
actin, polymerization)

HUNG.

9928* Introduction to Fluidization. Bevezetés a fluidizációba. (Hungarian.) Tiber Blicke and Pál Fejes. Magyar Kémikusok Lapja, v. 10, no. 4, Apr. 1955, p. 116-122. Qualitative relationships of fluid systems and disorders occurring during fluidization; fluid systems with two components; catalytical cracking of hydrocarbons. Diagram, graphs. 10 ref.

COUNTRY : Hungary H-2
 CATEGORY :
 AB3. JOUR. : AZKhim., No. 1959, No. 86229
 AUTHOR : Blickle, T.; Cegledi, B.; Kiss, E.
 INST. :
 TITLE : Drying of Granular Materials in a Fluidized Bed
 ORIG. PUB. : Magyar kem. lapja, 1958, 13, No 10-12, 113-117
 ABSTRACT : Studies of the drying of 8 different granular materials in a fluidized bed, have shown that when rate of drying is determined by external diffusion, it rises with increased intensity of fluidizing (chalk, ocher). If the rate of drying is affected not only by external diffusion, but also by other factors (internal diffusion, rate of emission of water of crystallization, as for example in the case of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$), the rate of drying is defined by the semi-empirical equation: $dw/d\tau = kF(p_s - p_p) \cdot y$, wherein w -- moisture content in relation to dry air, in g/kg; τ -- time in hours; F -- drying surface in m^2/kg ; p_s -- equilibrium vapor pressure, in atmospheres; p_p -- partial vapor pressure.
 CARD: 1/2

COUNTRY : Hungary
CATEGORY :

F-2

ABS. JOUR. : RZKhim., No. 1959, No. 86829

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : pressure, in atmospheres; k -- coefficient depending upon grain size and air velocity in g/m² hour atmosphere; y -- moisture content of grains in %. When the external diffusion does not affect rate of drying (for example in the case of $FeSO_4 \cdot 7H_2O$), the latter does not depend upon intensity of fluidizing. -- A. Yermakova.

CARD: 2/2

163

85616

H/008/60/013/012/005/008
B009/B057

11.9200

AUTHORS: Blickle, Tibor and Németh, Jenő

TITLE: Fluidization Heat Exchangers

PERIODICAL: Energia és Atomtechnika, 1960, Vol. 13, No. 12, pp. 557-559

TEXT: The article deals with heat-transfer processes in a fluidization apparatus and with the heat balance of such systems on the basis of the publications referred to and of the authors' own experiments. As regards the heat transfer between the solid granules fluidized and the gas, the authors are of the opinion that Kettenring's equation (Ref. 1) has no general validity. The authors made experiments on the fluidization of sodium sulfate granules and found that the heat-transfer coefficient between them and the gas may be calculated with good approximation from the equation

$$\frac{\alpha_{gr}}{c_{gr} \cdot G} \left(\frac{c_{gr} \mu}{\lambda_g} \right)^{2/3} = 1.77 \left[\frac{d_{gr} \cdot G}{\mu (1-\epsilon)} \right]^{-0.44}, \text{ where } \alpha_{gr} \text{ is the heat-transfer}$$

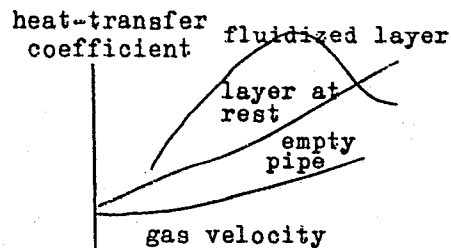
Card 1/4

85616

Fluidization Heat Exchangers

H/008/60/013/012/005/008
B009/B057

coefficient between the granules and the gas; c_{gr} is the specific heat of the granules; μ is the viscosity of the fluid produced by fluidization; λ_g is the thermal conductivity of the gas; G is the quantity flowing through unit surface in unit time; d_{gr} is the diameter of the granules; and ϵ is the free-space factor. When the value of the expression between brackets exceeds 30, 5.7 stands for 1.77, and 0.78 for 0.44. The heat-transfer coefficient between the fluidized layer and the heat-transfer body is between 200 and 800 kcal/m², h, C^o, if the thermal conductivity of the granules varies from 0.1 to 0.45 kcal/m, h, C^o. The annexed graph



illustrates the variation of the heat-transfer coefficient with the velocity of flow in the case of an empty pipe, a layer at rest, and a fluidized layer. According to the authors' measurements, the heat carried away by the gas exerts the greatest influence on the process.

Card 2/4

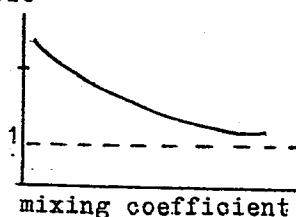
07010

Fluidization Heat Exchangers

H/008/60/013/012/005/008
B009/B057

The coefficients of heat transfer between granules and gas and between the fluidized layer and the heat-transfer body placed in the latter depend very much on the sticking of the granules. If the granules are fed into

temperature
ratio



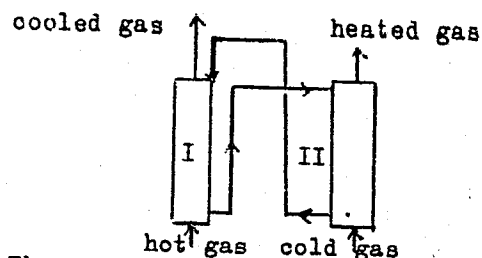
the apparatus from above and are discharged at its bottom, and the granules are heated by the hot gas, the temperature ratio of discharged gases to discharged granules depends very much on the mixing coefficient of the granules, as shown in the annexed graph. The fluidization process is used for the utilization of the heat content of waste gases for preheating cold gases. The authors calculated the heat balance of such an apparatus shown in the annexed Fig., and found it most efficient when the product of the quantity of gas and of its specific heat

equaled the product of the quantity of granules and of their specific heat. The fluidized layer is used in many other heat transfer processes because of its fluid properties and good heat-transfer characteristics.

Card 3/4

Fluidization Heat Exchangers

H/008/60/013/012/005/008
B009/B057



There are 4 figures and 6 non-Soviet references.

ASSOCIATION: *Veszprém* *HEAVY CHEM. IND. UNIV., CHEM. TECHNOLOG. DEPT.*
Blickle, Tibor: Veszprémi Vegyi Ipari Egyetem, Kémiai,
Technológiai Tanszéke (Veszprém University for the Chemical
Industry, Chair of Applied Chemistry). Németh, Jenő:
Budapesti Műszaki Egyetem Vegyi Ipari Gépek és Mezőgazdasági
Iparok Tanszéke (Budapest Technical University, Chair of
Machines for the Chemical Industry and of the Industries of
Farm Products)

Card 4/4

BLICKLE, Tibor (Veszprem); NEMETH, Jeno (Budapest)

Thermodynamic investigation of fluidization heat exchangers. Magyar
lap 15 no.12:551-557 D '60.

1. Veszpremi Vegyipari Egyetem (for Blicke). 2. Budapesti Muszaki
Egyetem (for Nemeth).

BLICKLE, Tibor, kandidatus

An account of the 3d (London) Congress of the European Association of Chemical Engineering Sciences. Kem tud. kozl MTA 19 no.1:91-94 '63.

1. Veszpremi Vegyipari Egyetem.

BLICKLE, Tibor, a kémiai tudományok kandidátusa

~~An account of my study trip to China. Kem tud közl MTA~~
20 no.1:77-82 '63.

1. Veszpremi Vegyipari Egyetem.

BLICKLE, Tibor

Application of fluidization process in the inorganic chemical industry. Veszprem vegyip egy kozl 7 no.1:41-46 '63.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete, Budapest-Veszprem.

FENYI, Gyula; BLICKLE, Tibor

Calcium-sulfate reduction in fluidized layers by sulfur.
Veszprem vegyip egy kozl 7 no.1:67-72 '63.

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek;
Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete,
Veszprem.

BLICKLE, Tibor

Heating of fluidization roasting reactors. Veszprem vegyip
egy kozl 6 no.3:259-272 '62.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato
Intezete, Budapest-Veszprem.

BORLAI, Oszkar; BLICKLE, Tibor

Measurement of fluid mixing in fluidized layers. Veszprem
vegyp egy kozl 7 no.1:47-54 '63.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato
Intezete, Budapest-Veszprem.

BLICKLE, Tibor

Recently discovered correlations in fluidized layers.
Veszprem vegyip egy kozl 6 no.3:273-282 '62.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete,
Budapest-Veszprem.

BLICKLE, Tibor; DE JONGE, Janos; VARGA, Imre

Studies in the cementation of copper from hydrous copper sulfate. Veszprem vegyip egy kozl 6 no.3:283-288 '62.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete, Budapest-Veszprem; Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

HENSZELMANN, Frigyes; DE JONGE, Janos; BLICKLE, Tibor

Equilibrium conditions of the reactions occurring in the catalytic hydrogen cyanide production according to the Andrusov method.
Veszprem vegyip egy kozl 4 no.1:33-40. '60

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

HLICKLE, Tibor; NEMETH, Jeno

Effect of grain size distribution on the properties of fluidized layers. Veszprem vegyip egy kozl 4 no.1:83-90 '60

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek (for Hlickle). 2. Budapesti Maszaki Egyetem Vegyipari Gepek es Mezogazdasagi Iparok Tanszeke (for Nemeth).

BLICKLE, Tibor

Calculation of mixing and dwelling time distributions. Veszprem
vegyp egy kozl 4 no.4:s297-298 '60

Preparation of minium and commercial glazes through the
fluidization of crude glaze pellets. Ibid.s299-300

1. Muszaki Kemiai Kutato Intezet, Veszprem.

BLICKLE, Tibor; DE JONGE, Janos; FERENCZY, Zoltan; KALDI, Pal

Oxidation of sulphur dioxide by means of fluidized iron oxide catalyst. Veszprem vegyip egy kozl 5 no.2:109-120 '61

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

BLICKLE, Tibor

Roasting by chlorination and sulphatization of calcined pyrite
from Roosk in fluidized layers. Veszprem vegyip egy korsz 5
no.2:121-124 '61

1. Veszpremi Vegyipari Egyetem Kémiai Technológia Tanszék.

BLICKLE, Tibor, kandidatus

Investigations in fluidized layers. Veszprem vegyip egy kowl
3 no.1/4:271-277 '59

1. Veszpremi Vegyipari Egyetem Kemiai Technologia Tanszek.

BLICKLE, Tibor

A new equation for describing the change of the free volumetric fraction in fluidized layers. Nagy kem folyoir 65 no. 6:221-223 Je '59.

1. Vegyipari Egyetem Kemiai-Technologiai Tanszeke, Veszprem.

KALDI, Pal; BLICKLE, Tibor

Mixing and dwelling period distribution in bubble and foam columns. Veszprem ~~regyip~~ egy kozl 6 no.3:251-258 '62.

1. Magyar Tudomanyos Akademia Muszaki Kemiai Kutato Intezete,
Budapest-Veszprem.

BLIDARU, A., conferentiar ing.

Aspects of the development of pumping stations for hydraulic works
in Rumania. Hidrotehnica 7 no.8:249-263 Ag '62.

BLIDARU, Valeriu, ing.; BLIDARU, Ecaterina, ing.

Adopting some new forms of canal sections for the purpose of allowing the industrial scale construction of irrigation and draining systems. Hidrotehnica 6 no.9:321-329 S '61.

BLIDARU, Ecaterina

Utilization of metallic conduits and those of polyvinyl
chloride (C.P.V.) in the sprinkling irrigation installations.
Studia biol agr Iasi 13 no.2:371-387 '62.

BLIDARU, S., ing.

Rapid and accurate method for the determination of moisture in soils.
Hidrotehnica 8 no.1:17-20 Ja '63.

RUMANIA/Diseases of Farm Animals. Diseases Caused by
Helminths.

R

Abs Jour:Ref Zhur-Biol., No 15, 1958, 69492.

Author : Vladutiu, O.; Lungu, V.; Murgu, I.; ~~Dlidaru, T.~~

Inst : Institute of Agronomy "N. Balcescu"

Title : Surgical Treatment of Coenurosis in Sheep.

Orig Pub: Lucrarile Sesiunii stiint. Inst. agron. "N. Balcescu",
1955. Bucuresti, 1955, 1, 379-391.

Abstract: No abstract.

Card : 1/1

PASCULESCU, T.; BLIDARU, P.; STULOVSKI, A.

A new procedure for the treatment of total rectal prolapse.
Rumanian M. Rev. 3 no. 4:62-64 O-D '59.
(RECTUM, surgery)

BLIDARU, Valeriu, ing.; BLIDARU, Ecaterina, ing.

Adopting some new forms of canal sections for the purpose of allowing the industrial scale construction of irrigation and draining systems. Hidrotehnica 6 no.9:321-329 S '61.

1ST AND 2ND ORDERS		PROCESSING AND PROPERTIES INDEX	
2A BLIDCHENKO, L. F.		Determination of low-temperature viscosity of greases for railway-car axles. L. F. Blidchenko and V. N. Tishkova. <i>Abad. Nauk S.S.S.R., Otdel. 72th. Nash. Inst. Mashinostroyeniya, Sovershenie Vuzkosti Zhidkostei i Kolloid. Rastvorov</i> (Conf. on Viscosity of Liquids and Colloidal Solns.) 2, 167-72 (1944). -- <i>Izvest.</i> were made from 75 to --50° in an Ubbelohde viscometer; for oils of 20 (200), 300 (3000), 1000 (10000) poles, the Hg column pressures used were 100-180, 300-400, 400-500 mm., resp., the diam. of the capillary 2, 3, 4 mm., resp. All oils were previously heated to 50° for 10 min. prior to testing. Ten different samples of mixts. of mazout and solar and of tar and solar of various domestic origins, with η_{sp} between .55 and .60°, were investigated. Low-freezing lubricants are made by using as the low-viscosity component preferably light solar distillates of Baku paraffin-free petroleum, for the viscous component mazout of $E_{50} = 10.2^\circ$ and tar are preferred. Such mixts. show at --50° from 817 to 1050 poles and freeze at about --58°. The suitability of these lubricants was confirmed in expts. on a friction machine and in service on Siberian railroads. N. Thon	
ASS-514 METALLURGICAL LITERATURE CLASSIFICATION		FROM SOURCE	
RECORDS		RECORDS	

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000205520001-6

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000205520001-6"

GONCHAROV, Viktor Mikhaylovich; MURZIN, Leonid Gavrilovich; MIRONOV,
M.I., inzh., retsenzent; BLIDCHENKO, I.F., inzh., retsenzent;
MOSKVIN, G.N., inzh., retsenzent; SOBAKIN, V.V., inzh., red.;
USENKO, L.D., tekhn. red.

[Fuel, lubricants, and water] Toplivo, smazka, voda. Izd.2., perer.
i dop. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soob-
shcheniia, 1961. 158 p. (MIRA 14:12)
(Railroads--Equipment and supplies)

KOCHUROV, Yuriy Dmitriyevich; MOREV, Petr Georgiyevich; MART'YANOV, Mikhail Mikhaylovich; SHAPROV, Mikhail Fedorovich; KLYUYEVSKIY, Fedor Mikhaylovich; BLIDCHENKO, I.F., inzh., retsenzent; GRISHIN, K.S., inzh., retsenzent; IVANOV, S.N., inzh., retsenzent; KUZINA, Z.P., inzh., retsenzent; MUSAL'YAN, A.T., inzh. retsenzent; SAL'MAN, R.V., inzh., retsenzent; SOBAKIN, V.V., inzh., red.; USENKO, L.A., tekhn. red.

[Manual for the personnel of chemical and technical laboratories in the field and at depots] Rukovodstvo rabotnikam dorozhnykh i depovskikh khimiko-tekhnicheskikh laboratorii. Izd.2., ispr. i dop. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 211 p.

(MIRA 15:4)

(Railroads--Equipment and supplies)
(Engineering laboratories)

VORONOV, Nikolay Mikhaylovich; BLIDCHENKO, Ignatiy Fedorovich;
GONCHAROV, Viktor Mikhaylovich; LOBANOV, Vasilii Vasil'yevich;
MERKUR'YEV, Gennadiy Dmitriyevich; BLAGOVIDOV, I.F., kand.
tekhn. nauk, retsenzent; GROMOV, G.N., inzh., retsenzent;
EMINOV, Ye.A., inzh., retsenzent; LOSIKOV, B.V., prof., red.;
SOBAKIN, V.V., inzh., retsenzent; MEDVEDEVA, M.A., tekhn.
red.

[Fuel oil and lubricating materials in railroad transportation]
Neftianoe toplivo i smazochnye materialy na zheleznodorozhnom
transporte; spravochnik. [By] N.M.Voronov i dr. Moskva, Trans-
zheldorizdat, 1962. 322p. (MIRA 15:9)
(Railroads--Fuel) (Railroads--Lubrication)
(Petroleum products)

BLIDCHENKO, I.F., inzh.; PETROV, S.A., inzh.

Efficiency of using various filter materials for the purification
of diesel lubricants for diesel locomotives. Trudy TSNII MPS
no.251:50-87 '63. (MIRA 16:6)
(Filters and filtration) (Diesel locomotives--Lubrication)

BLIDCHENKO, I.F., inzh.; PETROV, S.A., inzh.

Efficiency of using various filter materials for the purification
of diesel lubricants for diesel locomotives. Trudy TSNII MPS
no.251:50-87 '63. (MIRA 16:6)
(Filters and filtration) (Diesel locomotives--Lubrication)

L 01806-67 EWT(m)/T DJ

ACC NR: AP6030589 (AN) SOURCE CODE: UR/0413/66/000/016/0073/0073

INVENTOR: Ismailov, R. G. A. O.; Mamedov, M. A. A. O.; Spektor, Sh. Sh.; Seidov, M. M. M. O.; Vartapetov, A. A.; Shchelkonogov, I. A.; Kyazimov, A. A. O.; Aliyev, A. A. G. O.; Tangiyeva, T. A.; Kesel'man, L. G.; Lobanov, V. V.; Chikunov, V. A.; Blidchenko, I. E.; Tarumov, G. A.; Bombandirov, P. P.; Merkur'yev, G. D.; Petrov, S. A.

ORG: none

TITLE: Lubricating oil for bushings. Class 23, No. 184997

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 73

TOPIC TAGS: lubricant, bushing, petroleum

ABSTRACT: An Author Certificate has been issued describing a lubricant for bushings, with a solar fraction and mazut base. To expand the operating temperature range of the oil, a petroleum fraction with a boil-away of 4—5% at 240—320C is added to the lubricant. This fraction is obtained from the petroleum distillate at 300—310C. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 05Nov64/

Card 1/1 UDC: 629.11.012.26

BLIDEANU, Eugen

Beginning of a new school year. Gaz mat B 14:513-515 9 S '63.

1. Director general adjunct in Ministerul Invatamintului.

The image shows a microfiche card with a grid of frames. The central frame contains text describing the quaternary system Na_2CO_3 - Na_2SO_4 - H_2O . The text mentions the Berksite type, authors S. Z. Makarov and V. E. Bittin, and references to their work in the Bulletin of the USSR Academy of Sciences (Chemical Section) from 1938. It also includes equilibrium diagrams for the three ternary systems and states that Berksite exists above 14.4°C and consists of solid solutions of the components in the compound $2\text{Na}_2\text{SO}_4 \cdot \text{Na}_2\text{CO}_3$. The author's initials B. C. P. A. are listed at the bottom right.

Microfiche card details:

- Top Labels:** 1ST AND 2ND COPIES, PROCESSED AND PROPERTIES INDEX, 1ST AND 2ND COPIES
- Left Margin:** COMMON ELEMENTS, MATERIALS HERE
- Right Margin:** COMMON VARIABLE INDEX
- Central Text:**

Polytherm of the quaternary system Na_2CO_3 - Na_2SO_4 - H_2O and solid solutions of the berksite type.
S. Z. Makarov and V. E. Bittin. Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Ser. chim. 1938, 855-860 (in English, 860-8).—Equil. diagrams for the three ternary systems including H_2O and for the quaternary system are given. Berksite exists above 14.4° and consists of solid solns. of the components in the compd. $2\text{Na}_2\text{SO}_4 \cdot \text{Na}_2\text{CO}_3$.
B. C. P. A.
- Bottom Labels:** ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION, FROM SOURCE, SUBJECT, AUTHOR, TITLE, NUMBER, DATE, etc.

BC A-1

PROCESSES AND PROPERTIES INDEX

Study of salts by the method of microphotometry of X-ray photographs. V. P. BLIDIN (J. Gen. Chem. Russ., 1939, 9, 1899--1900).—The analysis of debyeograms is facilitated by comparing the microphotometer curves obtained in passing across the spots given by different compounds. The method is used to show that berkent ($2\text{Na}_2\text{SO}_4 \cdot \text{Na}_2\text{CO}_3$) differs in crystal structure from Na_2SO_4 and Na_2CO_3 . R. T.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

160082 49 160083 419 QNY JSE 63113101 631131 041 QNY JSE

1ST AND 2ND SHEETS		3RD AND 4TH SHEETS	
PROCESSING AND PROPERTIES INDEX			
CA		2	
W. D. R. Richter Equilibrium in the system urea-monoammonium phosphate-water. V. P. Rodin. J. Gen. Chem. (U. S. S. R.) 11, 667-668 (1941).—In the binary system $\text{CO}(\text{NH}_2)_2\text{-H}_2\text{O}$ the cryohydric point occurs at the compn. 33% $\text{CO}(\text{NH}_2)_2$ and at -11.1°. In the system $\text{NH}_4\text{H}_2\text{PO}_4\text{-H}_2\text{O}$ the eutectic occurs at 17.8% $\text{NH}_4\text{H}_2\text{PO}_4$ and at -4.4°. The isotherms were detd. at $-10, 0, 5, 15$ and 25°. The triple eutectic point corresponds to $\text{CO}(\text{NH}_2)_2$ 29.6, $\text{NH}_4\text{H}_2\text{PO}_4$ 12.8 and H_2O 58.6%. $\text{NH}_4\text{H}_2\text{PO}_4$ does not affect the soly. of urea. α-Urea is converted to β-urea at about 26°. A. A. Borzhinsk			
458.51A METALLURGICAL LITERATURE CLASSIFICATION			
3RD SHEET		4TH SHEET	
1ST AND 2ND SHEETS		3RD AND 4TH SHEETS	

1.1. AND 1.2. SHEET		PRACTICES AND PROPERTIES NOTE	
The polytherm of the ternary system urea-potassium sulfate-water. V. P. Biddis (Koslov Machine Construction Inst.). J. Gen. Chem. (U.S.S.R.) 17, 1331-4 (1947) (in Russian).—The sections (I) (20% $\text{CO}(\text{NH}_2)_2$ + 80% H_2O) with varying K_2SO_4, (II) (25% $\text{CO}(\text{NH}_2)_2$ + 75% H_2O) with varying K_2SO_4, (III) (40% $\text{CO}(\text{NH}_2)_2$ + 60% H_2O) with varying K_2SO_4, and (IV) (6% K_2SO_4 + 94% H_2O) with varying $\text{CO}(\text{NH}_2)_2$, are given in tables and in graphs. Observations were made by the visual method from 25° downwards. The eutectics are: I ice + K_2SO_4, -8.6°, $\text{CO}(\text{NH}_2)_2$, 18.6, K_2SO_4, 8.1; II $\text{CO}(\text{NH}_2)_2$ + K_2SO_4, -7.6°, $\text{CO}(\text{NH}_2)_2$, 83.1, K_2SO_4, 4.9; III $\text{CO}(\text{NH}_2)_2$ + K_2SO_4, -6.3°, $\text{CO}(\text{NH}_2)_2$, 87.8, K_2SO_4, 5.2; IV ice + $\text{CO}(\text{NH}_2)_2$, -13.4°, $\text{CO}(\text{NH}_2)_2$, 31.1, K_2SO_4, 3.8. Whereas in sections I-III the rise beyond the min. is steep, section IV is almost identical with the binary system $\text{CO}(\text{NH}_2)_2$-H_2O, i.e., K_2SO_4 has almost no effect on the soly. curve of $\text{CO}(\text{NH}_2)_2$. The field of K_2SO_4 occupies most of the polytherm. The ternary eutectic is at -13°, 31.5% $\text{CO}(\text{NH}_2)_2$, 4.9% K_2SO_4. N. Thon		2	
		COMMON VALUES NOTE	
ASR-51A METALLURGICAL LITERATURE CLASSIFICATION			
EDDY SYMBOLS		EDDY BINARY	
LARGE 02		SMALL 01	
SUBNO 117 GNY 001		SUBNO 117 GNY 001	
0 1 2 3 4 5 6 7 8 9		0 1 2 3 4 5 6 7 8 9	

100 AND 4TH CREEPS		PROCESSING AND PROPERTIES INDEX		100 AND 4TH CREEPS	
Interaction of magnesium bromide with the bromides of rubidium and of lithium in aqueous solution. V. P. Niklin (Kuznetsov Machine Constr. Inst.). <i>J. Gen. Chem.</i> (U.S.S.R.) 17, 1800-4 (1947) (in Russian).--(1) The soly. of MgBr₂ at 25° is 80.38%, that of RbBr 83.33%. In the ternary system MgBr₂-RbBr-H₂O at 25°, no compds. or solid solns. are formed. The isotherm consists of a very extended RbBr branch and a much shorter MgBr₂.6H₂O branch, similar to the MgCl₂-NaCl-H₂O system. RbBr is almost completely salted out by the MgBr₂-satd. soln.; solns. of MgBr₂ 80.4 contain only traces of RbBr in equil. with RbBr + MgBr₂.6H₂O. Addn. of MgBr₂ to solns. of RbBr decreases sharply the soly. of the latter, e.g., in equil. with solid RbBr, solns. MgBr₂ 10.1, RbBr 41.5; MgBr₂ 40.2, RbBr 9.6. (2) The soly. of LiBr at 25° is 64.71%. The ternary MgBr₂-LiBr-H₂O consists of a rather short MgBr₂.6H₂O branch (down to MgBr₂ 25.3, LiBr 34.4), followed by a branch of solid solns., extending from MgBr₂ 20.0, LiBr 39.8, to pure LiBr. The solid phase in equil. with MgBr₂ 33.17, LiBr 2.90, is (in moles) 13.75 MgBr₂.4.41 LiBr.81.84H₂O; the solid in equil. with MgBr₂ 21.0, LiBr 39.8, is 10.61 MgBr₂.9.75 LiBr.79.7H₂O. These solid phases, obtained by isothermal crystn. of the corresponding solns., are more stable in air than the pure components. The system forms no compds. N. Thon					
ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION					
100 AND 4TH CREEPS		100 AND 4TH CREEPS		100 AND 4TH CREEPS	

BLIDIN, V. P.

33160. Zashchiinye Plenki, Kak Antikorroziionnyye Pokrytiya. Trudy Rost. M/D
In-Ta S.-Kh. Mashinostroyeniya, Vyp. 5, 1949, C. 81-84.- Bibliogr: 5 Naz v.

SO: Ietopis' Zhurnal 'nykh Statey, Vol. 45, Moskva, 1949